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NO. 620 P. 1

**MORRISON & FOERSTER LLP**

*Attorneys at Law*  
 425 Market Street  
 San Francisco, California 94105-2482  
 Telephone: (415) 268-7000  
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To: Group Art Unit, 2877  
 U.S. Patent Office

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**Comments:**

Re: U.S. Patent Application Serial No. 09/770,997  
 For: CACHING OF INTRA-LAYER CALCULATIONS FOR RAPID  
 RIGOROUS COUPLED-WAVE ANALYSES  
 By: Xinhui NIU and Nicholas JAKATDAR  
 Our reference: 30998-2000100

**Attached are:**

Transmittal (1 page)  
 Amendment Under 37 CFR 1.111 (5 pages)

PAGE 1/7 \* RCVD AT 12/10/2003 7:32:43 PM [Eastern Standard Time] \* SVR:USPTO-EFXXF-1/0 \* DNIS:8729306 \* CSID:415 2687522 \* DURATION (mm:ss):03:04

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NO. 620 P. 12  
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By: Xinhui NIU and Nickhil JAKATDAR  
Our reference: 50998-2000100

Attached are the following:

1. Transmittal (1 page)
2. Communication Regarding Amendment Under 37 CFR 1.111 (2 pages)
3. Amendment Under 37 CFR 1.111 w/attachments dated 12/10/03 (copy, 8 pages)
4. Auto-Reply Facsimile Transmission (copy, 1 page)

PTO/SB/21 (09-03)

Approved for use through 04/30/2009. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application Number	09/770,997
		Filing Date	January 25, 2001
		First Named Inventor	Xinhui NIU
		Art Unit	2877
		Examiner Name	R. Punoose
Total Number of Pages in This Submission	12	Attorney Docket Number	609982000100

**ENCLOSURES (check all that apply)**

- ☐ Fee Transmittal Form  
☐ Fee Attached  
☐ Amendment/Reply  
☐ After Final  
☐ Affidavits/declaration(s)  
☐ Extension of Time Request  
☐ Express Abandonment Request  
☐ Information Disclosure Statement  
☐ Certified Copy of Priority Document(s)  
☐ Response to Missing Parts/Incomplete Application  
☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)  
☐ Licensing-related Papers  
☐ Petition  
☐ Petition to Convert to a Provisional Application  
☐ Power of Attorney, Revocation Change of Correspondence Address  
☐ Terminal Disclaimer  
☐ Request for Refund  
☐ CD, Number of CD(s) \_\_\_\_\_

- ☐ After Allowance Communication to Group  
☐ Appeal Communication to Board of Appeals and Interferences  
☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  
☐ Proprietary Information  
☐ Status Letter  
☒ Other Enclosure(s) (please identify below):  
 1. Communication Regarding Amendment Under 37 CFR 1.111 (2 pages)  
 2. Copy of the Amendment Under 37 CFR 1.111 and attachments as faxed to the PTO on 12/10/03 (8 pages)

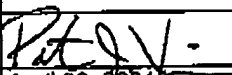
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3. Auto-Reply Facsimile Transmission (copy, 1 page)

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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	MORRISON & FOERSTER LLP (Customer Number 20872) Peter J. Yim - 44,417
Signature	
Date	April 20, 2004

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-8306, on the date shown below.

Dated: April 20, 2004

Signature:  (Valerie Cohen)

sf-1687650

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Dated: April 20, 2004

Signature: Valerie Cohen

(Valerie Cohen)

Docket No.: 509982000100  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Xinhui NIU et al.

Application No.: 09/770,997

Group Art Unit: 2877

Filed: January 25, 2001

Examiner: R. Punnoose

For: CACHING OF INTRALAYER  
CALCULATIONS FOR RAPID RIGOROUS  
COUPLED-WAVE ANALYSIS

**COMMUNICATION REGARDING AMENDMENT UNDER 37 C.F.R. 1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

This office received an Office Action dated September 10, 2003, Paper No. 9, in the above matter. Subsequently, an Amendment Under 37 C.F.R. 1.111 was faxed to the U.S. Patent and Trademark Office on December 10, 2003 in response to this same Office Action. An Auto-Reply Facsimile Transmission was received by this office from the patent office indicating that the Amendment Under 37 C.F.R. 1.111, which was sent to the patent office on December 10, 2003, had been received by the patent office on December 10, 2003 at 7:32: 43 p.m. (Eastern Standard Time). Hence, this amendment was timely filed.

A phone call was placed to Examiner Roy Punnoose, Group Art Unit, 2877, by the undersigned on April 20, 2004 requesting a status of the Amendment Under 37 C.F.R. 1.111 filed on December 10, 2003. Examiner Punnoose informed this office that he had not received a copy of the Amendment Under 37 C.F.R. 1.111 and that the same had not been entered into the patent office's

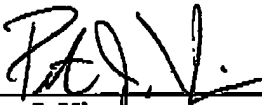
database. Attached is a copy of the Amendment Under 37 C.F.R. 1.111 as filed on December 10, 2003, along with a copy of the Auto-Reply Facsimile Transmission as received from the patent office on December 10, 2003.

It is believed that no fees are associated with the filing of this Communication.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket no. 509982000100.

Dated: April 20, 2004

Respectfully submitted,

By   
Peter J. Yim

Registration No.: 44,417  
MORRISON & FOERSTER LLP  
425 Market Street  
San Francisco, California 94105  
(415) 268-6373

**MORRISON & FOERSTER LLP**

Attorneys at Law  
425 Market Street  
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Telephone: (415) 268-7000  
Facsimile: (415) 268-7522

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**To: Group Art Unit, 2877**  
**U.S. Patent Office**

**Facsimile: 703/872-9306**  
**Telephone:**

**From: Peter J. Yim**

**Date: December 10, 2003**

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**Comments:**

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By: Xinhui NIU and Nickhil JAKATDAR  
Our reference: 50998-2000100

**Attached are:**

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Amendment Under 37 CFR 1.111 (5 pages)

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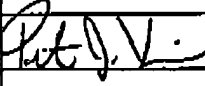
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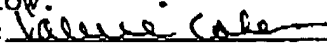
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/770,997	
	Filing Date	January 25, 2001	
	First Named Inventor	Xinhui NIU	
	Art Unit	2877	
	Examiner Name	R. Punoose	
Total Number of Pages in This Submission	6	Attorney Docket Number	509982000100

ENCLOSURES (check all that apply)		
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Signature		
Date	December 10, 2003	

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